

Qualcomm Announces 3rd-gen Snapdragon 8cx and 7c + Gen 3 Compute Platform

Seattle, Washington Dec 7, 2021 (Issuewire.com) - Qualcomm Technologies launched the 3rd generation Snapdragon 8cx compute platform and Snapdragon 3rd generation 7c + compute platform, both of which use intelligent networking technology to provide end-users with an innovative PC experience and redefine mobile computing.

About the New Generation of Snapdragon 8 [Soc](#)

The third-generation Snapdragon 8cx compute platform is the world's first Windows PC platform for 5nm process, achieving up to 85% intergenerational performance improvement and up to 60% performance per watt improvement compared with x86-based competitive platforms.

This means that Windows PC with 8cx can achieve more lasting performance while maintaining good performance. The Snapdragon 888, which was launched last year, carries the integrated Qualcomm X60 5G Modem, to become the first flagship mobile phone to integrate 5G Modem outside Kirin. This year's Snapdragon 8 Gen 1 comes with an upgraded X65 5G Modem, that takes performance a step further.

The Snapdragon X65 5G Modem was released at the beginning of this year. The maximum rate has been increased to 10Gbps, and the bandwidth of the 6GHz band has been increased from 200MHz to 300MHz. The available millimeter wave bandwidth has increased from 800MHz to 1000MHz, increasing the available aggregate spectrum. The X65 also supports enhancements, expansion, and customization

across 5G market segments, as well as new power-saving technologies defined by 3GPP Release 16.

In terms of AI, this year's Snapdragon 8 Gen 1 tensor throughput and shared memory have been increased to 2 times, and the combination of software and hardware improvements has brought a 4 times improvement compared with Snapdragon 888. It will support 24x7 around-the-clock context awareness, as well as a full-time turn on the camera to prevent peeping. In partnership with SONDE, Snapdragon 8 Gen 1 can detect health risks by analyzing users' voices.

About the New Generation of Snapdragon 7c +

The 3rd generation Snapdragon 7c+ compute platform is aimed at entry-level products, using 6nm processes, and is designed for users of Windows PC and Chromebook ecosystems. Compared with the previous generation platform, CPU performance is improved by up to 60%, and graphics processing performance is improved by up to 70%.

The third-generation Snapdragon 7c+ compute platform also introduced 5G connectivity to the entry-level platform for the first time, raising the standard of connectivity for users using economical products. Its integrated Snapdragon X53 5G modem and RF system support 5G Sub-6GHz and millimeter wave, achieving download speeds up to 3.7Gbps.

The third-generation Snapdragon 7c + compute platform uses Qualcomm FastConnect 6700 to support Wi-Fi 6 and Wi-Fi 6e connections at speeds up to 2.9Gbps. We are always committed to making the connection benefit more users. The third-generation Snapdragon 7c+ compute platform brings enhanced connection technology, which will enable a new level of entry-level Windows PC and Chromebook to become fast advanced, efficient, always-connected laptops.

Conclusion

The Snapdragon 8 mobile platform launched by Qualcomm will be put into commercial use by the end of 2021, that is, in the remaining month of this year, mobile phone manufacturers will begin to release flagship smartphones with Snapdragon 8 mobile platform.

In the context of global [semiconductor capacity shortage](#), mobile chips are very important for the mobile phone industry, and Qualcomm is the absolute leader in the global high-end mobile chip field. therefore, the release of its flagship mobile platform is of great significance to the development of the whole mobile hardware industry.

It is worth mentioning that Qualcomm also specifically mentioned the concept of meta-universe at this press conference. In Qualcomm's view, meta-universe will be launched around all kinds of smart devices in the future, and the underlying layers of these devices are based on mobile technologies, including AI, imaging, games, security, etc., which Qualcomm has been working in.

After the press conference, Zhidong also had in-depth exchanges with senior executives in charge of Qualcomm products, technologies, and games for the first time, and further excavated the numerous "cool techs" behind Snapdragon 8 mobile platform. It can be said that this appearance of Snapdragon 8 may cause a new round of experience innovation in the field of mobile device ecology. To know more, visit the [electronic blog](#)

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